NITECORE®
ALL-ROUND Flashlight Expert

SENS CR User Manual

Features

- CREE XP-G (R5) LED
- Maximum output of up to 190 lumens
- Highly effective current circuit board
- High efficiency circuit enables maximum runtime of up to 27 hours
- 3 brightness levels
- Active dimming system with auto-adjust function
- Soft turn-on mode and low illumination for everyday usage
- Convenient one-handed operation
- Board voltage circuit, compatible with primary or rechargeable Li-on batteries
- Reverse polarity protection
- Equipped with integrated lens
- Constructed from aerospace grade aluminum alloy
- Type III military grade hard anodizing
- Special-made rhombic knurling for better grip
- Waterproof in accordance with IPX-8 (2 meters submersible)
- Tail stand ability

Dimensions

Length: 64mm
Head Diameter: 19.8mm
Tail Diameter: 19.8mm
Weight: 23.8g (without battery)

Accessories

Key chain, spare O-ring

Battery Options

	SIZE	Nominal voltage	Usability
Primary Lithium battery	CR123	3V	Y (Recommended)
Rechargeable Battery (Li-ion)	RCR123	3.7V	Y

Brightness & Runtime

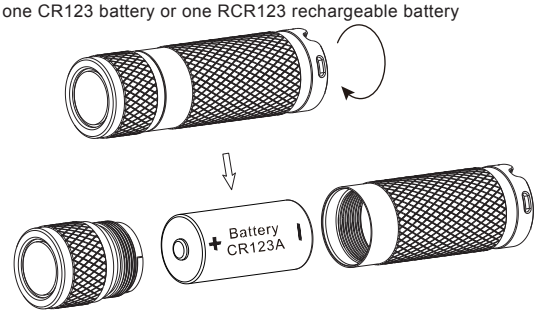
FL1 STANDARD	HIGH	MID	LOW
	190 LUMENS	60 LUMENS	20 LUMENS
	2h	6h30min	27h
	76m (Beam Distance)		
	1450cd (Peak Beam Intensity)		
	1.5m (Impact Resistant)		
	IPX-8, 2m (Waterproof AND Submersible)		

NOTICE
The stated data has been measured in accordance with the international flashlight testing standards ANSI/NEMA FL1, using SYSMAX CR123 battery (3V, 1550mAh) under laboratory conditions. The data may vary in real-world use due to different battery usage or environmental conditions.

Operation instructions

Battery installation

Insert one CR123 battery or one RCR123 rechargeable battery



WARNING
Always ensure batteries are inserted with the positive (+) ends pointing toward the flashlight head. If incorrectly installed, the flashlight will not work.

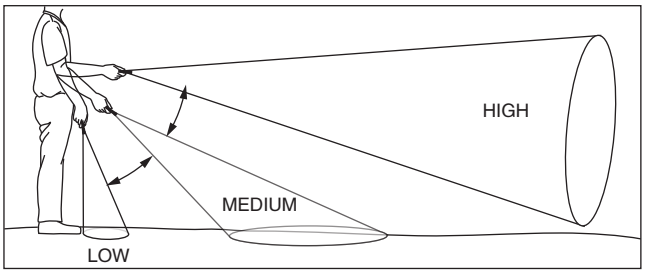
ON/OFF

Turn ON: Rotate the head of the flashlight in a clockwise direction to turn it on.
Turn OFF: Rotate the head of the flashlight in a counter-clockwise direction to turn it off.

Brightness Control

When the flashlight is turned on from off:

- Flashlight will enter high output level when the head is parallel to the floor
- Flashlight will enter medium output level when the head is at 45 degrees
- Flashlight will enter low output level when the head is pointing straight down



Notes:
1. Each time you turn on the flashlight, the SENS CR built-in acceleration sensor can detect the angle and switch to the appropriate brightness level
2. After the lights is powered on, the sensor will shut off to avoid brightness changing when the user changes the flashlight angle.

Active Dimming Technology

With the flashlight switched off, turn on the light with the head pointed straight up. The light will access the active dimming function immediately. An acceleration sensor is built in the SENS CR flashlight, which can continuously detect the angle of the light and work with the light's mico-computer to select the appropriate output. For example, when it detects a parallel position, the built-in micro-computer will assume a higher output is appropriate and increase output to illuminate a longer distance. When it detects a vertical position, micro-computer will decrease output so to save battery life, extending runtime of SENS up to 5-8 times.

Notes:
1. When the flashlight switches from low to high level, the output will increase momentarily, allowing the user to observe distant targets.
2. After the flashlight switches from low to high level, the brightness will decrease slowly to allow the user's eyes to adapt.

Maintenance

Clean the threads twice a year with a clean cloth and coat with silicone grease.

Warranty Service

All NITECORE® products are warranted for quality. DOA / defective products can be exchanged for replacement though a local distributor/dealer within the 14 days of purchase. After 14 days, all defective / malfunctioning NITECORE® products will be repaired free of charge for a period of 18 months from the date of purchase. After 18 months, a limited warranty applies, covering the cost of labor and maintenance, but not the cost of accessories or replacement parts. The warranty is nullified in all of the following situations:
1. The product(s) is/are broken down, reconstructed and/or modified by unauthorized parties.
2. The product(s) is/are damaged through improper use.
3. The product(s) is/are damaged by leakage of batteries.

For the latest information on NITECORE® products and services, please contact your national NITECORE® distributor or visit our official website: www.NITECORE.com

Please follow our facebook for more info: NITECORE Flashlights

SYSMAX Ind.
SYSMAX Industry Co.,Ltd.
TEL: +86-20-83862000
FAX: +86-20-83882723
E-mail: info@nitecore.com
Web: www.NITECORE.com
Address: Rm1407-08, Glorious Tower, 850 East Dongfeng Road, Guangzhou, China 510600

CE

Thanks for purchasing NITECORE!